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- (71) Applicant (for all designated States except US):  
**MEDESTEA RESEARCH & PRODUCTION S.R.L.**  
[IT/IT]; Via Ribes 5, I-10010 Colleretto Giacosa (IT).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **CRAVOTTO, Giancarlo** [IT/IT]; Via Buenos Aires 106, I-10137 Torino (IT).
- (74) Agents: **RAMBELLINI, Paolo et al.; Jacobacci & Partners SpA**, Corso Regio Parco 27, I-10152 Torino (IT).
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(54) Title: LONG CHAIN UNSATURATED OXYGENATED COMPOUNDS AND THEIR USE IN THE THERAPEUTICAL, COSMETIC AND NUTRACEUTICAL FIELD

WO 03/105822

(57) Abstract: Long-chain unsaturated oxygenated compounds and their use in the therapeutical, cosmetic and nutraceutical field. Use of compounds of formula R-X wherein X is a primary alcoholic functional group -CH<sub>2</sub>OH, a carboxylic functional group -COON or a C<sub>1</sub>-C<sub>4</sub> alkyl ester group, and of mono-, di- and tri-glycerides of acid compounds R-COON and of pharmaceutically acceptable salts of those acids, wherein R is a hydrocarbon chain having from 19 to 35 carbon atoms, which is saturated or unsaturated, including from one to five ethylenic or acetylenic unsaturations, linear or branched, including from one to five methyl branches, and optionally substituted by from one to three hydroxyl groups, for the preparation of pharmaceutical or nutraceutical compositions useful for the treatment and prevention of pathologies related to a high concentration of cholesterol and lipids, pathologies associated with an increased ability of the blood platelets to aggregate and with a reduced concentration of oxygen, in the treatment of ageing processes, for the preparation of compositions of nutritional integrators aimed at weight loss and cosmetic compositions useful in the treatment and prevention of skin damage caused by free radicals.

**INTERNATIONAL SEARCH REPORT**

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**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 A61K31/20

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, CHEM ABS Data, BIOSIS, EMBASE, MEDLINE

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	US 5 502 077 A (BONAA KAARE H ET AL) 26 March 1996 (1996-03-26) claim 1	1-19
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A	US 5 698 594 A (BOENAA KAARE HARALD ET AL) 16 December 1997 (1997-12-16) claim 1	1-19

Further documents are listed in the continuation of box C:

Patent family members are listed in annex.

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

Beyss, E

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